NT BOOK

mensions			Contents	Reference to last Measureme
Breadth 5	Depth 6		7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B
494256

Serial No. MAIN-BILL:-
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item.NO.01:- Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the handpump, MWS of PWSS by vertical electrical sounding by adopting venner or schlumbergers method., including reconnaissance survey of geological formation.; Qty vide page no. 4943 | 494250 → 02 nos At the rate of Rs. 1882.00 →					3764.00	
	Item.NO02:- Sinking borewells of 165mm dia clear using superfast hydraulic rig of capacity 250 PSIG and above CFM & above in all strata						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including over burden upto 20mts fixing of casing pipe, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles., crew changes & cost of consumables.,						
		02	50.0	@ 315.18	=	31518.00	
		02	50.0	@ 412.00	=	41200.00	
		02	50.0	@ 458.35	=	45835.00	
		02	50.0	@ 484.10	=	48410.00	
		02	50.0	@ 560.32	=	56032.0	
		02	50.0	@ 600.49	=	60049.0	
	Item No.03:- Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5mm th black electric resistance continues welded mild steel tube material confirming to IS 1387/1993						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	and manufactured to ... of 4 to 7m both ends ... with a socket and th...
	Qty vide page ...
	Qty upto 125%
	Qty above 125%
	Item. No.04:- Providin...
	Qty vide page ...
	At the rate of ...

T BOOK

nsions		Contents	*Reference to last Measurement
Breadth 5	Depth 6	7	8
		fixing of casing pipes,	
		ing, threading and	
		of rig and supporting	
		umables.,	
		@ 345.18 =	31518.00
		@ 412.00 =	41200.00
		@ 458.35 =	45835.00
		@ 484.10 =	48410.00
		@ 560.32 =	56032.00
		@ 600.49 =	60049.00
		minal bore medium black	
		lectric resistance continuous	
		iming to IS 1387/1993	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494257

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and manufactured from hot rolled steel skelp						strips in random length
	of 4 to 7m both ends threaded conforming to IS 554/1985, one end fixed						
	with a socket and the other end with a plastic protection end.,						
	Qty vide page no. 4943/494251 →				140.00		
	Qty upto 125% →	125.00	@ 1325.00 →				165625.00
	Qty above 125% →	15.00	@ 1325.00 →				19875.00
							~~165625.00~~
	Item. No.04:- Providing 250mm dia PVC pipe					Ckg/cm	as per specification,
	Qty vide page no. ~~4943~~/494251 →				30.00		
	At the rate of Rs. 1100.00 →						39600.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item.No.05:- Providing and fixing 160mm borewell cap, with all lead and lift, loading, unloading and labour charges etc., complete.,						
	Qty vide page no. 4943/494251 →				02 nos		
	At the rate of Rs. 100.00 →						= 200.00
	Item.No.06:- supply and delivery at site brand New-exmo/innoval/ lubi/sabar/Atlanta/calamal/make suitable for vertical installation in 150mm dia borewell comprising of single stage ormultistage CI pump.)						
	Qty vide page no. 4943/494251 →				01no		
	At the rate of Rs. 74300.00 →						74300.00

erial No. .....
lame of Work .....
lame of Contractor of nature of Agency ...
ate of commencement of work .....

Date	Full description, etc, of work
1	2
	Item.No.07:- Providing G.I with fittings such as threads using white per specifications.,
	Qty vide item.N
	At the rate of R
	Item.No.08:- Heavy du
	Qty vide item.
	At the rate of

MENT BOOK

Dimensions			Contents	*Reference to last Measureme
ength 4	Breadth 5	Depth 6	7	8
				borewell cap, with all lead nd labour charges etc.,
				= 200.00
951 →	02 nos			
				te brand New+exmo/inmoval/ make suitable for vertical well comprising of single
94251 →	01no			
00 →				14300.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494258

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item.No.07:- Providing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with ends threads using white lead and threads for joint wherever necessary as per specifications.,						
	Qty vide item.No. 4943/494252 →				288.00m		
	At the rate of Rs. 321.00 →						92448.00
	Item.No.08:- Heavy duty collar 50mm dia.,						
	Qty vide item.No. 4943/494252 →				49nos		
	At the rate of Rs. 130.00 →						6370.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item. No. 09:- Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3 class 5 of IS: 8130 - 1984 ;	02	295	-	-	= 590.00 m	
						74753.00	
	At the rate of Rs. 126.70 →						
	Item. No. 10:- labour charges for erection as new / repaired submersible pumpset along with GI pipe (3"/50mm) cable ;	49	-	-	-	= 49 Nos	
	At the rate of Rs. 88.00 →					4312.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	No
1	2	
	Item. No. 11:- Supplying ... made of not less than ... but of not more than ... tapered inverted wood ... loading, unloading ...	
	At the rate of R	
	Item. No. 12:- Supplying ... PVC insulated she...	

NT BOOK

ensions		Contents	*Reference to last Measurement
Breadth 5	Depth 6	7	8
trial PVC sheathed submersi			
ith electrolytic grade			
tor conforming to table 3			
- -		= 590.00m	
		74753.00	
as new repaired submersible			
mm) cable.,			
- -		= 49 Nr	
		4312.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494259

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Item. No. 11.- Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges.,	01	-	-	-	= 01no	
	At the rate of Rs. 302.00 →						302.00
	Item. No. 12.- Supplying of LTUG cable having aluminium conductor PVC insulated sheathed, galvanised steel wire steel tap.,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with PVC outer sheathing 1.1 KV class with all lead & lift. loading, unloading and labour charges.;						
	Qty vide page no. 4943/4942S2 →				30.00m		
	At the rate of Rs. 140.40 →						4212.00
Item No.13:-	labour charges for laying of 1.1KV class UG cable						
	Qty vide page no. 4943/4942S2 →				30.00m		
	At the rate of Rs. 10.80 →						324.00
Item No.14:-	Digging or trenching of 0.6x0.5m wide refilling the trench to the required ground level and consolidating etc complete as per civil. with all lead and lift, loading, unloading and labour charges etc.;						
	Qty vide page no. 4943/4942S2 →				25.00m		

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	At the rate of
Item No.15:-	supply
	thickness not le
	clamping arran
	lift, loading;
	At the rat
Item No.16:-	Supp
	for 1.1 KV class

OOK

dth	Depth 6	Contents 7	*Reference to last Measurement 8
ith			all lead & lift.
s.)	30.00m		4212.00
KV	class UG cable		
→	30.00m		324.00
m	wide refilling the		
and	consolidating etc		
and	lift, loading, unloading		
→	25.00m		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494260

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	At the rate of Rs. 85.00 →						2125.00
	Item No.15:- supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead & lift, loading.)	01	4.0	-	-	= 4.00m	
	At the rate of Rs. 345.00 →						1380.00
	Item No.16:- supplying and fixing L.T. cast iron pot head suitable for 1.1 KV class UG cable filed with necessary bitumen/insulating						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	compound complete with terminals, clamps, bolts, nuts & washers etc., with all lead & lift loading, unloading., and labour charges etc.,						
		01	-	-	-	= 01no	
	At the rate of Rs. 280.00 →						280.00
Item.No.17:-	Supplying, fixing, wiring, earth electrode for groundin conduits, I.e. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proportion of salt and charcoal 150mm all round the pipe to complete depth.,						
		01	-	-	-	= 01no	
	At the rate of Rs. 2727.00 →						2727.00

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Item. No.18:- Supplying and existing wooden/panel 32 amps	
	At the rate of Rs	
	Item. No.19:- Providing metal non-return valv of all materials.,	
	At the rate of Rs	

T BOOK

nsions Breadth 5	Depth 6	Contents 7	*Reference to last Measurement 8
clamps, bolts, nuts & ading, unloading.)			
-	-	= 01 no	280.00
n electrode for groundin			
upment on the meter			
ick GI pipe 2.5 mtr long			
filled with equal			
150mm all round the pipe			
-	-	= 01 no	2727.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494261

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item. No. 18:- Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers., 32 amps	1x6	-	-	-	= 6 no	1080.00
	At the rate of Rs. 180.00 →						
	Item. No. 19:- Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials.,	01	-	-	-	= 01 no	1579.40
	At the rate of Rs. 1579.40 →						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item.No.20:- Providing NP/CP waste unions confirming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to works spot etc.,	01	-	-	-	= 01	
	At the rate of Rs. 227.90 →						227.90
	Item.No.21:- supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges.,	04	-	-	-	= 04no	
	At the rate of Rs.	104.30 →					417.20

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eria! No. .....
lame of Work ..... From.
lame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Item.No.22:- supplying shunt 440 volts grade for power f capacitor in KVAR rating lift.)	01
	At the rate of Rs. 135	
	Item.No.23:- supplying and f MCB distribution boards cuse, indicator ON/OFF	

BOOK

ons		Contents	*Reference to last Measuremer
readth 5	Depth 6	7	8
firming to ISI speci'fi' as per directions and conveyance to		= 01	227.90
GI X nipple with ISI ng unloading and		= 04no	417.20

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494262

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item.NO.22:- supplying shunt capacitors conforming to IS 2834, 3phase 400/- 440 volts grade for power factor improvements of rotating machinery, capacitor in KVAR rating Nos. 2KVAR capacity with all lead and Lft.,)	01	-	-	-	= 01no	1350.00
	At the rate of Rs. 1350.00 →						
	Item.NO.23:- supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'c'-type curve, indicator ON/OFF energy cross-3 with short circuit breaking						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	capacity of 10A and conforming to IEC.,	complete wiring as required					
		01	-	-	-	= 01no	
	At the rate of Rs. 1547.00 →						1547.00
	Item. No.24:- Fabricating supplying and mounting MS box made of 16SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with suitable size clamps with necessary cable entry pipe., 16SWG						
		1 x 2	120.0	60.0	-	= 14400.00	
		1	360.0	25.0	-	= 9000.00	
						23400.00	

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work
1	2
	At the rate
	Item. No.25:- Supplying button type with suita
	tivity mounted on a
	At the rate of
	Item. No.26:- Earthwor
	ting or bank up to a

NT BOOK

mensions			Contents	*Reference to last Measuremen
n	Breadth 5	Depth 6	7	8
wiring as required				
	-	-	= 01no	
→			1547.00	
ounting MS box made 00l				
unting, fully weather				
eat dresipation, provided				
d with suitable size				
ry pipe;				
.0	60.0	-	= 14400.00	
.0	25.0	-	= 9000.00	
			23400.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494263

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	At the rate of Rs. 0.33 →						7722.00
	Item. No. 25:- supplying fully automatic store delta starter unit push button type with suitable wires three contractors one adjustable thermal						
	trioes mounted on a common base plate,						
		01	-	-	-	= 01no	
	At the rate of Rs. 6583.00 →						6583.00
	Item. No. 26:- Earthwork excavation for pipeline trenches including depositing or bank up to a lead of 50m including sharing and shutting						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	danger lighting and using site rails and boming poles at every 100 mtr wherever necessary as directed.,						
	Qty vide page. no.	MB NO 4943		494259 →		486.0 cum	
	At the rate of Rs.	281.25 @ 188 →				52875.0	
		204.75 @ 188 →				38493.0	
	Item. NO.27:- Providing and installation at site of work P.V.C. pipes including lowering into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe.						
	Qty vide page. no.	MB NO 4943		494254 →		1080.0 m	
	At the rate of Rs.	625 @ 157.0 →				98125	
		455 @ 157.0 →				71435	

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Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Item. NO.28:- Refilling the base available earth for trenches excavation including author dispensary of the surplus earth	
	Qty vide page. no. 494	
	At the rate of Rs. 281. 204.	

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
rails and boring poles at as directed.,				
3 | 494259 →			486·0 cum	
188 →			52875·0	
188 →			38493·0	
al site of work the P.V.C. pipes laying true to line, level at proof including				
3 | 494254 →			1080·0m	
0 →			98125	
1·0 →			11435	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494264

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No 28:- Refilling the basement and pipeline treanches with selected available earth for trenches with selected available earthe for trench excavation including authority condetion in layers for the including dispensary of the surplus earth with a heavy 200 mtrs.						
	Qty vide page no. 4943 | 494255 →				486·0 cum	
	At the rate of Rs. 281·25 @ 61·00 →						17156·30
	204·75 @ 61·00 →						12489·75
	total:-						29646·05

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.29:- Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and hire of equipments with all leads complete as per specification with all lead & lift loading, unloading and labour charges etc, complete as per the directions of the Engineer-in-charge.						
		04	-	-	-	04Nos	
	At the rate of Rs. 2120.00 →					8480.00	
					Subtotal =	1095190.20	
	8% KRIDL charges =					87615.22	
	1% cess charges =					10951.90	
						11,93,757-	

Material No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Add Bescom charges R.R.No:C782506	

Verified
Cash
Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engi
Byatarayanapura Sub-Div
KRIDL, BBMP, Bangalo

NT BOOK

Dimensions: Length	Breadth 5	Depth 6	Contents 7	*Reference to last Measurement 8
n brass gate valve with C.I				
d end) 50mm nominal bore				
abour and non of equipments				
ification with all lead &				
our charges etc, complete				
er-in-charge.				
- -			= 04 Nos	
→			8480.00	
btotal=			1095190.20	
			87615.22	
			10951.90	
			11,93,757-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494265

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Add Bescom charges:-						
	R.R.No:-C782506					Amount:	
						8610.00	
	Receipt Number:-					100.00	
	45486653324					1730.00	
	45486652575					10440.00	
	007851:						
	Grand total =					120419732	

Verified
Clerk
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs 12.04.197-00	
						IT - 24084-00	
						Cess - 12042-00	
						CBF - 1204-00	
						FSD - 60210-00	
						CGST - 12042-00	
						SGST - 12042-00	
						Adj: 121624-00	
						Cheque: 10,82,573-00	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 12.04197-00

ಗಳಿಸಿದ ಮತ್ತು ಪಾವತಿ : ಇದರಲ್ಲಿ ರೂ. 121624 00

ಹಿಂದಿನಿಂದ ಪಾವತಿಸಿರುವ ಬಿಲ್ಲಿನ ಮೊಬಲಗು 10,82,573-00

ರೂ. Rs Ten lakhs eighty two thousand five hundred and seventy three only.

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಬಹುದು

Varuney 7/11

Chandappa 7/11

05/11

erial No. .....
ame of Work .....
ame of Contractor ..... of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	N
1	2	